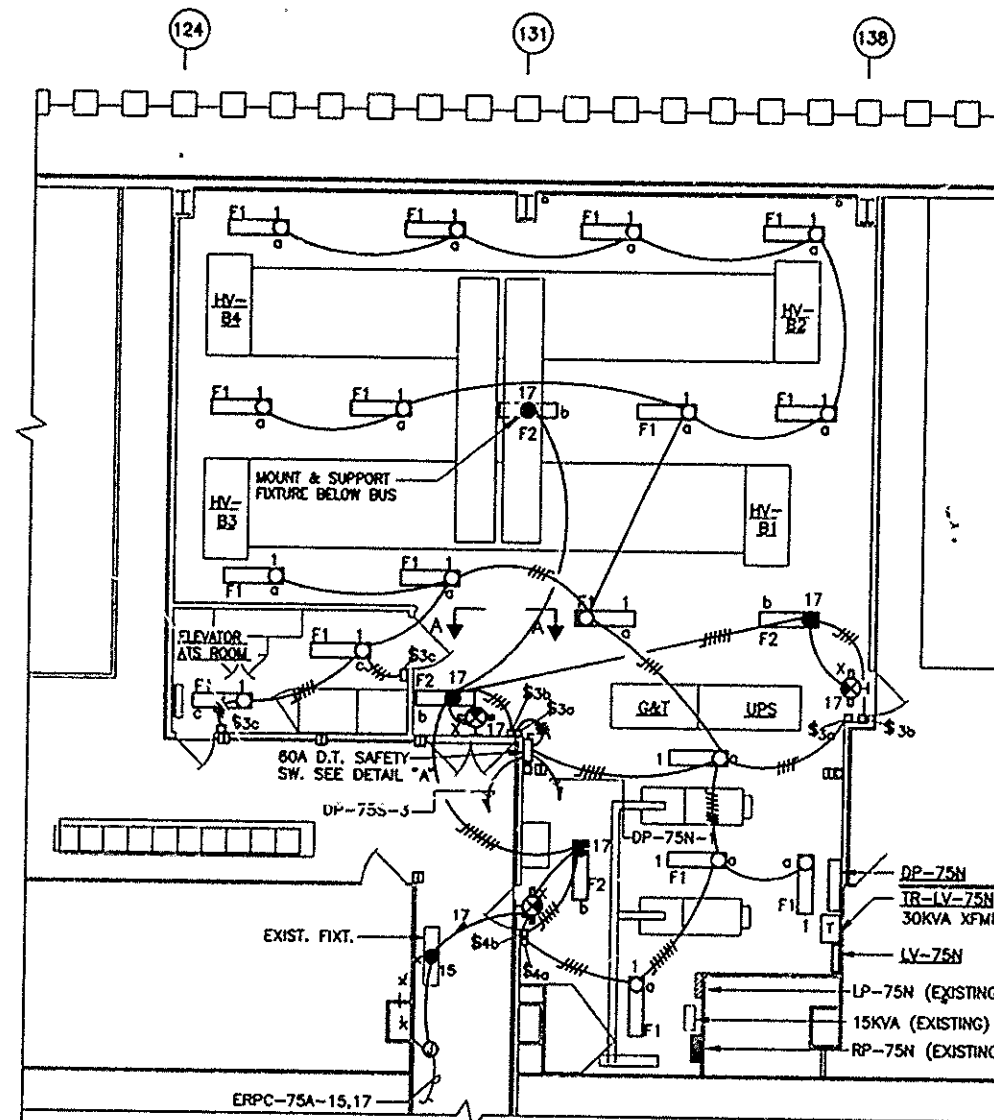
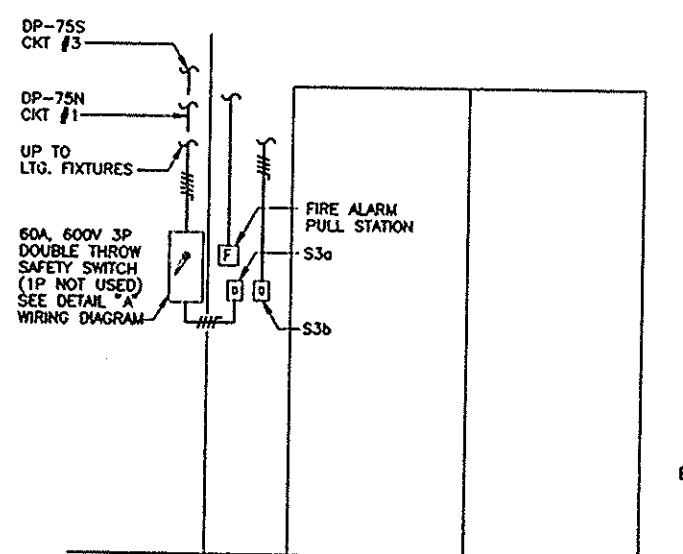


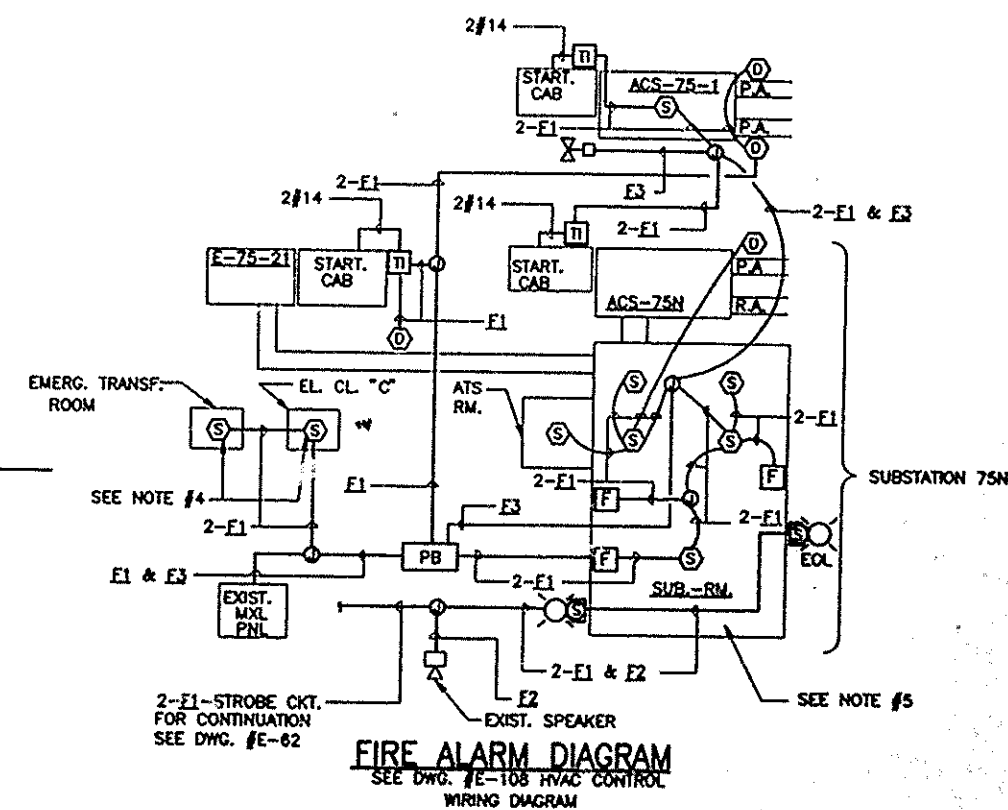
PLAN - SUBSTATION SS-75N
FIRE ALARM PLAN - STAGE I & III, POWER PLAN - STAGE III



PLAN - SUBSTATION SS-75N
LIGHTING PLAN - STAGE III



SECTION A-A



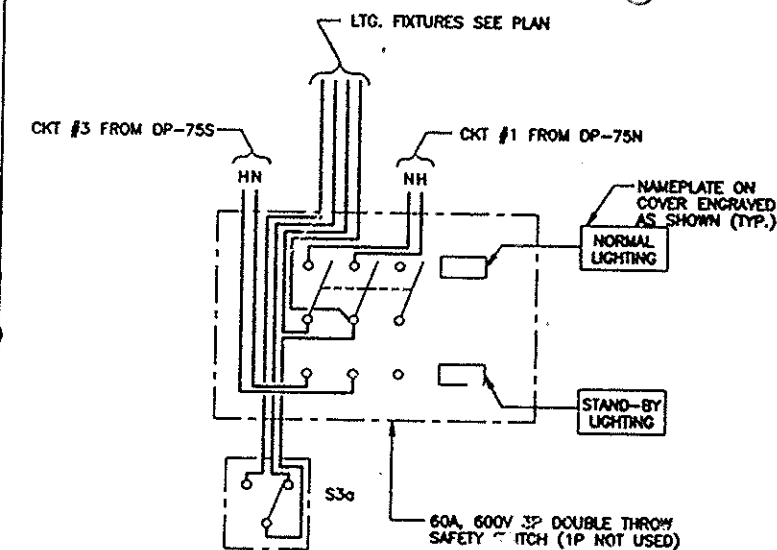
FIRE ALARM DIAGRAM
SEE DWG. #E-108 HVAC CONTROL
WIRING DIAGRAM

NOTES

- FOR LEGEND SEE DRAWING #E-1.
FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.
- FOR PANEL DP-75N AND LV-75N SCHEDULES SEE DRAWING #E-101.
- MOUNT EXIT LIGHTS SUCH THAT BOTTOM EDGE OF FIXTURE IS 12" ABOVE TOP OF DOOR.
- IN STAGE I - INSTALL AC UNITS SMOKE DETECTORS AND AREA SMOKE DETECTORS IN EMERG. TRANSF. RM., EL. CL. "C" WITH ASSOCIATED WIRING.
- IN STAGE III - REMOVE EXIST. SUBSTATION'S AREA SMOKE DETECTORS, PULL STATIONS, STROBE HORN UNITS. (SEE DWG. #E-36) INSTALL NEW AREA SMOKE DETECTORS, PULL STATIONS, STROBE SPEAKER UNITS IN SUBSTATION AND ELEVATOR ATR ROOM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS, CONTAINING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE: 6/21/95 *Samuel A. Adams* SPEC. WRITER
DATE: 8/15/95 *Peter K. Sweeney* ENGINEER OF DESIGN



DETAIL "A"
WIRING DIAGRAM

NOTE:
GROUND WIRE REQUIRED FOR ABOVE INSTALLATION WAS NOT SHOWN.



THE PORT AUTHORITY
OF NEW YORK AND NEW JERSEY

Peter K. Sweeney
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
Samuel A. Adams
CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Division
The World Trade Center
Electrical/HVAC
Upgrade Program

TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

ELECTRICAL
SUBSTATION SS-75N
STAGE III
LIGHTING, POWER &
FIRE ALARM PLAN

| No. | Date | Revision | Approved |
|-----|--------|----------|----------|
| 1 | 5-1-95 | | |

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

ROYZMAN FISCHER
Designed by
ROYZMAN
Drawn by
A. C.
Checked by

Date 5-1-95
Scale AS NOTED
Contract Number
WTC 802.071
Drawing Number
E-48